

Work Order ID 112707

February-05-14 2:37:56 PM

112707

Page 1

Item ID: P112-L Accept ***N9000040100*** Setup Start ***NS1***
Revision ID: Stop ***NS2***
Item Name: Dome Light / Air Vent Assembly
Start Date: 05/02/2014 Start Qty: 4.00 ***4*** Cust Item ID:
Required Date: 11/02/2014 Req'd Qty: 4.00 ***4*** Customer:
Reference:

Approvals: Process Plan:  Date: 11-02-05 Tooling: Date: Run Start ***NR1***
QC: Date: SPC (Y/N): Date: Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
Draw Nbr	Revision Nbr								
100		0.00							
100									
Packaging	Memo	0.00							
Packaging	PULL FROM STOCK 4 X P112-L BATCH M126018								
110	Spray Painting per QSI005 4.2	0.00							
110									
SprayPaint	Memo	0.00							
Spray Painting	PAINT SCUFF SATIN BLACK ACRYLIC ENAMEL 127534								
120	QC14- Inspect Spray Paint	0.00							
120									
QC	Memo	0.00							
Quality Control									

4 14-02-06
4 14-02-08
4 14-02-10

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS <table style="width: 100%;"> <tr> <td>Skid-tube ☐</td> <td>Crosstube ☐</td> <td>Water Jet ☐</td> <td>Engineering ☐</td> </tr> <tr> <td>Machining ☐</td> <td>Small Fab ☐</td> <td>Prod. Eng. Coord. ☐</td> <td>Quality ☐</td> </tr> <tr> <td>Thermoforming ☐</td> <td>Finishing ☐</td> <td>Rec/Store/Packaging ☐</td> <td>Other ☐</td> </tr> <tr> <td>Large Fab ☐</td> <td>Composite ☐</td> <td>Supplier ☐</td> <td></td> </tr> </table>	Skid-tube ☐	Crosstube ☐	Water Jet ☐	Engineering ☐	Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐	Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐	Large Fab ☐	Composite ☐	Supplier ☐	
Skid-tube ☐	Crosstube ☐	Water Jet ☐	Engineering ☐															
Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐															
Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐															
Large Fab ☐	Composite ☐	Supplier ☐																

Root Cause	Date	Step	Qty	Description of work order update or non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector
Design									
Doc/Data									
Equip/Tooling									
Handling/Pre									
Material									
Operator									
Offset/Setup									
Process									
Supplier									
Training									
Transport									
Unapproved									

FAULT CATEGORY

Landing Gear ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Inspection Strip in Tube ☐ Marks/Chatter ☐ Turning Sequence ☐ Wave/Twist in Tube	General ☐ Bend ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Burrs ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Drawing ☐ Drill Holes ☐ Finish ☐ Fit/Function	☐ Folio/Program ☐ Grain ☐ Hardware ☐ Inspection Incomplete/Unqualified ☐ Instructions Incomplete/Unclear ☐ Misaligned/off center ☐ Mislabeled ☐ Misread ☐ Off-set ☐ Out of Calibration ☐ Out of Sequence	☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Positioned Wrong ☐ Power Loss/Surge ☐ Pressure/Forced ☐ Set-up ☐ Temperature/Cure ☐ Weld ☐ Wrong Stock Pulled ☐ Other
--	--	---	--

Work Order ID 112707

February-05-14 2:37:56 PM

112707

Page 2

Item ID: P112-L

Accept

N900040100Setup Start ***NS1***

Revision ID:

Stop ***NS2***

Item Name: Dome Light / Air Vent Assembly

Start Date: 05/02/2014 Start Qty: 4.00

4

Cust Item ID:

Required Date: 11/02/2014 Req'd Qty: 4.00

4

Customer:

Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____

Run Start ***NR1***

QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
130	Identify as per dwg & Stock Location: _____	0.00							
130									
Packaging	Memo	0.00							
Packaging	RE-PACKAGE USING NEW BATCH								
140	QC21- Final Inspection - Work Order Release	0.00							
140									
QC	Memo	0.00							
Quality Control									

14-2-10 (4) SF

MLJ 14-02-10

MLJ 14-02-10

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS <table style="width: 100%;"> <tr> <td>Skid-tube ☐</td> <td>Crosstube ☐</td> <td>Water Jet ☐</td> <td>Engineering ☐</td> </tr> <tr> <td>Machining ☐</td> <td>Small Fab ☐</td> <td>Prod. Eng. Coord. ☐</td> <td>Quality ☐</td> </tr> <tr> <td>Thermoforming ☐</td> <td>Finishing ☐</td> <td>Rec/Store/Packaging ☐</td> <td>Other ☐</td> </tr> <tr> <td>Large Fab ☐</td> <td>Composite ☐</td> <td>Supplier ☐</td> <td></td> </tr> </table>	Skid-tube ☐	Crosstube ☐	Water Jet ☐	Engineering ☐	Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐	Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐	Large Fab ☐	Composite ☐	Supplier ☐	
Skid-tube ☐	Crosstube ☐	Water Jet ☐	Engineering ☐															
Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐															
Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐															
Large Fab ☐	Composite ☐	Supplier ☐																

Root Cause	Date	Step	Qty	Description of work order update or non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector
Design									
Doc/Data									
Equip/Tooling									
Handling/Pre									
Material									
Operator									
Offset/Setup									
Process									
Supplier									
Training									
Transport									
Unapproved									

FAULT CATEGORY

Landing Gear ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Inspection Strip in Tube ☐ Marks/Chatter ☐ Turning Sequence ☐ Wave/Twist in Tube	General ☐ Bend ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Burrs ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Drawing ☐ Drill Holes ☐ Finish ☐ Fit/Function	☐ Folio/Program ☐ Grain ☐ Hardware ☐ Inspection Incomplete/Unqualified ☐ Instructions Incomplete/Unclear ☐ Misaligned/off center ☐ Mislabeled ☐ Misread ☐ Off-set ☐ Out of Calibration ☐ Out of Sequence	☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Positioned Wrong ☐ Power Loss/Surge ☐ Pressure/Forced ☐ Set-up ☐ Temperature/Cure ☐ Weld ☐ Wrong Stock Pulled ☐ Other
--	--	---	--

Picklist Print

February-05-14 2:38:04 PM

Page 1

Work Order ID: 112707

112707

Parent Item: P112-L

***P112-L ***

Parent Item Name: Dome Light / Air Vent Assembly

Start Date: 05/02/2014

Required Date: 11/02/2014

Start Qty: 4.00

Required Qty: 4.00

Comments:

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
---------------------------------	------------------------	---------------	-------------	---------------------	------------------	-----------------	--------------------	----------------	-------------	--------------	---------------	----------------	--------

P112-L

Purchased

No

Each

1.0000

4

***P112-L ***

Dome Light / Air Vent Assembly

Location

Loc Qty

Loc Code

FG093

1

m126018

1

4 u 140205

14-02-10

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS <table style="width:100%;"> <tr> <td>Skid-tube ☐</td> <td>Crosstube ☐</td> <td>Water Jet ☐</td> <td>Engineering ☐</td> </tr> <tr> <td>Machining ☐</td> <td>Small Fab ☐</td> <td>Prod. Eng. Coord. ☐</td> <td>Quality ☐</td> </tr> <tr> <td>Thermoforming ☐</td> <td>Finishing ☐</td> <td>Rec/Store/Packaging ☐</td> <td>Other ☐</td> </tr> <tr> <td>Large Fab ☐</td> <td>Composite ☐</td> <td>Supplier ☐</td> <td></td> </tr> </table>	Skid-tube ☐	Crosstube ☐	Water Jet ☐	Engineering ☐	Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐	Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐	Large Fab ☐	Composite ☐	Supplier ☐	
Skid-tube ☐	Crosstube ☐	Water Jet ☐	Engineering ☐															
Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐															
Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐															
Large Fab ☐	Composite ☐	Supplier ☐																

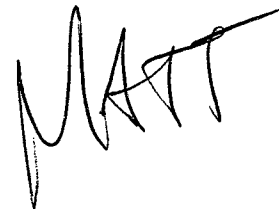
Root Cause	Date	Step	Qty	Description of work order update or non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector
Design									
Doc/Data									
Equip/Tooling									
Handling/Pre									
Material									
Operator									
Offset/Setup									
Process									
Supplier									
Training									
Transport									
Unapproved									

FAULT CATEGORY

Landing Gear ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Inspection Strip in Tube ☐ Marks/Chatter ☐ Turning Sequence ☐ Wave/Twist in Tube	General ☐ Bend ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Burrs ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Drawing ☐ Drill Holes ☐ Finish ☐ Fit/Function	☐ Folio/Program ☐ Grain ☐ Hardware ☐ Inspection Incomplete/Unqualified ☐ Instructions Incomplete/Unclear ☐ Misaligned/off center ☐ Mislabeled ☐ Misread ☐ Off-set ☐ Out of Calibration ☐ Out of Sequence	☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Positioned Wrong ☐ Power Loss/Surge ☐ Pressure/Forced ☐ Set-up ☐ Temperature/Cure ☐ Weld ☐ Wrong Stock Pulled ☐ Other
--	--	---	--

Linda Lacelle

From: Luc Parisien - Bertrand Supplies <lparisien@bertrandsupplies.ca>
Sent: February-04-14 4:33 PM
To: Linda Lacelle
Subject: RE: stain black acrylic paint



J'en ai pas en stock, je vais verifier...

mais vous pouvez vous en faire... vous avez du noir lustrer, tu peut faire 2 choses..

- 1- Ajouter du flatener dans le noir jusqu'à ce que tu obtienne le shine voulut.
- 2- Peinturer noir lustrer et appliquer un clear avec du flatener.

Luc

From: Linda Lacelle [<mailto:llacelle@dartaero.com>]
Sent: February-04-14 4:15 PM
To: <lparisien@bertrandsupplies.ca>
Subject: Re: stain black acrylic paint

Quart svp

Sent from my iPhone

On 2014-02-04, at 4:09 PM, "Luc Parisien - Bertrand Supplies" <lparisien@bertrandsupplies.ca> wrote:

Bonjour Linda, tu veut en spray can ou en quart/gallon??

From: Linda Lacelle [<mailto:llacelle@dartaero.com>]
Sent: February-04-14 3:49 PM
To: Luc Parisien - Bertrand Supplies (lparisien@bertrandsupplies.ca)
Subject: stain black acrylic paint
Importance: High

Linda Lacelle

112 707

From: David Shepherd
Sent: February-04-14 12:29 PM
To: Alison Markus; Linda Lacelle
Cc: Mike Petsche; Sian Willems; Daryl Leger; Marc Bellavance; Carrie Pearson
Subject: RE: D350-833-013L02 qty 4 - lead time please

Linda,

The requirement is "Satin Black Acrylic Enamel" ... I leave it to production to find a suitable product and I'm not sure the glareshield paint meets this requirement.

Regards,
David

From: Alison Markus
Sent: February-04-14 7:26 AM
To: Linda Lacelle; David Shepherd
Cc: Mike Petsche; Sian Willems; Daryl Leger; Marc Bellavance; Carrie Pearson
Subject: RE: D350-833-013L02 qty 4 - lead time please

fewer order FG003
4 x P112-L B M126018
pull inner shell
spray paint - stuff
100
110
- paint szk Black per Enamel

Yay!! Customer would like to place PO for 4 please advise additional cost for painting and lead time for the qty 4

ALISON MARKUS
Sales Representative



From: Linda Lacelle
Sent: February 4, 2014 6:25 AM
To: David Shepherd
Cc: Alison Markus; Mike Petsche; Sian Willems; Daryl Leger; Marc Bellavance
Subject: Re: D350-833-013L02 qty 4 - lead time please

- QCL4
- ply reply resin new Blw
- AC21

Thx David. Now the question is, is there a specific paint we need to use on these? Can we use the same paint as the glareshields?
Thx
L

Sent from my iPhone

On 2014-02-03, at 9:31 PM, "David Shepherd" <dshepherd@dartaero.com> wrote:

All,

Sorry for the delay in getting back to you on this. The P112-L uses the GA129-12, which in turn calls up a GA129-7. If you look at GA129-7 Rev E, it calls out an optional "Satin Black Acrylic Enamel" finish. Therefore, it would be acceptable to paint the parts black per GA129-7 Rev E as requested by the customer. Whew!

Regards,
David

From: Alison Markus
Sent: February-03-14 6:29 AM
To: Linda Lacelle; David Shepherd; Mike Petsche
Cc: Sian Willems; Daryl Leger; Marc Bellavance
Subject: RE: D350-833-013L02 qty 4 - lead time please

Good Morning,

Any word on the painting of these ? 3 customers looking for these !

ALISON MARKUS
Sales Support Representative

DART AEROSPACE
T 1 613 632-3336 > 267
F 1 613 632-4443
S alisonbates1
1 800 556- 4166
www.dartaerospace.com

<image001.jpg>

From: Linda Lacelle
Sent: January 31, 2014 10:06 AM
To: David Shepherd; Mike Petsche
Cc: Sian Willems; Daryl Leger; Alison Markus; Marc Bellavance
Subject: RE: D350-833-013L02 qty 4 - lead time please
Importance: High

David or Mike,
Can we pull the P112-L's from stk and paint black, and give them a new B/N ?
Thx
L

From: Alison Markus
Sent: January-31-14 9:25 AM
To: Linda Lacelle; Marc Bellavance
Cc: Sian Willems; Daryl Leger
Subject: RE: D350-833-013L02 qty 4 - lead time please

Have we found out if we are good to go with painting this yet ?

ALISON MARKUS
Sales Support Representative

DART AEROSPACE
T 1 613 632-3336 > 267
F 1 613 632-4443
S alisonbates1
1 800 556- 4166
www.dartaerospace.com

<image001.jpg>

From: Linda Lacelle
Sent: January 28, 2014 2:18 PM
To: Alison Markus; Marc Bellavance
Cc: Sian Willems; Daryl Leger
Subject: RE: D350-833-013L02 qty 4 - lead time please

If eng say we can do it, we can do it...
LL

From: Alison Markus
Sent: January-28-14 2:07 PM
To: Linda Lacelle; Sian Willems; Marc Bellavance; Daryl Leger
Subject: RE: D350-833-013L02 qty 4 - lead time please

Any word on painting these ?

ALISON MARKUS
Sales Support Representative

DART AEROSPACE
T 1 613 632-3336 > 267
F 1 613 632-4443
S alisonbates1
1 800 556- 4166
www.dartaerospace.com

<image001.jpg>

From: Linda Lacelle
Sent: January 28, 2014 10:59 AM
To: Sian Willems; Marc Bellavance; Daryl Leger
Cc: Alison Markus
Subject: RE: D350-833-013L02 qty 4 - lead time please

- 1) I am not sure this mat'l can be painted...Daryl, maybe you know?
- 2) Are we allowed to modify these, since they are Geneva P/N's?

L

From: Sian Willems
Sent: January-28-14 10:47 AM
To: Marc Bellavance; Alison Markus; Linda Lacelle
Subject: RE: D350-833-013L02 qty 4 - lead time please

I was thinking the same thing. Linda, what do you think?

From: Marc Bellavance
Sent: Tuesday, January 28, 2014 10:40 AM
To: Alison Markus; Linda Lacelle; Sian Willems
Subject: RE: D350-833-013L02 qty 4 - lead time please

How about painting the P112-L black? Or is this opening a can of worms?

Marc

From: Alison Markus
Sent: Tuesday, January 28, 2014 10:38 AM
To: Marc Bellavance; Linda Lacelle; Sian Willems
Subject: RE: D350-833-013L02 qty 4 - lead time please

So we cannot help them, the P112-L is beige and they need black. Any time frame for the amended FAA STC ? To sell them the D part.

ALISON MARKUS
Sales Support Representative

DART AEROSPACE
T 1 613 632-3336 > 267
F 1 613 632-4443
S alisonbates1
1 800 556- 4166
www.dartaerospace.com

<image001.jpg>

From: Marc Bellavance
Sent: January 28, 2014 10:03 AM
To: Linda Lacelle; Alison Markus; Sian Willems
Subject: RE: D350-833-013L02 qty 4 - lead time please

So D350-833-013L02 would be what they need. We can't provide "D" parts as we do not have FAA approval... So the real question is: can we provide as P112-L?

Marc

From: Linda Lacelle
Sent: Tuesday, January 28, 2014 9:58 AM
To: Alison Markus; Marc Bellavance; Sian Willems
Subject: RE: D350-833-013L02 qty 4 - lead time please

I just pulled a P112-L from stk, and they are beige...the D350-833 kit (L02) would be black

LL

From: Alison Markus
Sent: January-28-14 9:40 AM
To: Marc Bellavance; Linda Lacelle; Sian Willems
Subject: RE: D350-833-013L02 qty 4 - lead time please

I have attached pictures of what they need. Please let me know what part number this would be and if we have stock. It has to be black ! Thanks !

From: Marc Bellavance
Sent: January 28, 2014 8:10 AM
To: Linda Lacelle; Sian Willems
Cc: Alison Markus
Subject: RE: D350-833-013L02 qty 4 - lead time please

Based on my tribal knowledge notes, it would be light grey...

From: Linda Lacelle
Sent: Monday, January 27, 2014 4:34 PM
To: Marc Bellavance; Sian Willems
Cc: Alison Markus
Subject: Re: D350-833-013L02 qty 4 - lead time please

Do either of you onow what color the P112-L is?

Sent from my iPhone

On 2014-01-27, at 3:20 PM, "Alison Markus" <amarkus@dartaero.com> wrote:

Does it come in black also ?

ALISON MARKUS

Sales Support Representative

DART AEROSPACE

T 1 613 632-3336 > 267

F 1 613 632-4443

S alisonbates1

1 800 556- 4166

www.dartaerospace.com

<image002.jpg>

From: Linda Lacelle

Sent: January 27, 2014 2:50 PM

To: Alison Markus

Cc: Melanie Fauteux; Mario Poulin

Subject: RE: D350-833-013L02 qty 4 - lead time please

We are not receiving dome lights until mid feb...then they need to be sent for more work PLUS these are not TC, FAA approved.

We DO have the P112-L in stk...

LL

From: Alison Markus

Sent: January-27-14 2:33 PM

To: Linda Lacelle

Cc: Melanie Fauteux; Mario Poulin

Subject: D350-833-013L02 qty 4 - lead time please

ALISON MARKUS

Sales Support Representative

DART AEROSPACE

T 1 613 632-3336 > 267

F 1 613 632-4443

S alisonbates1

1 800 556- 4166

www.dartaerospace.com

<image006.jpg>

<image007.jpg>